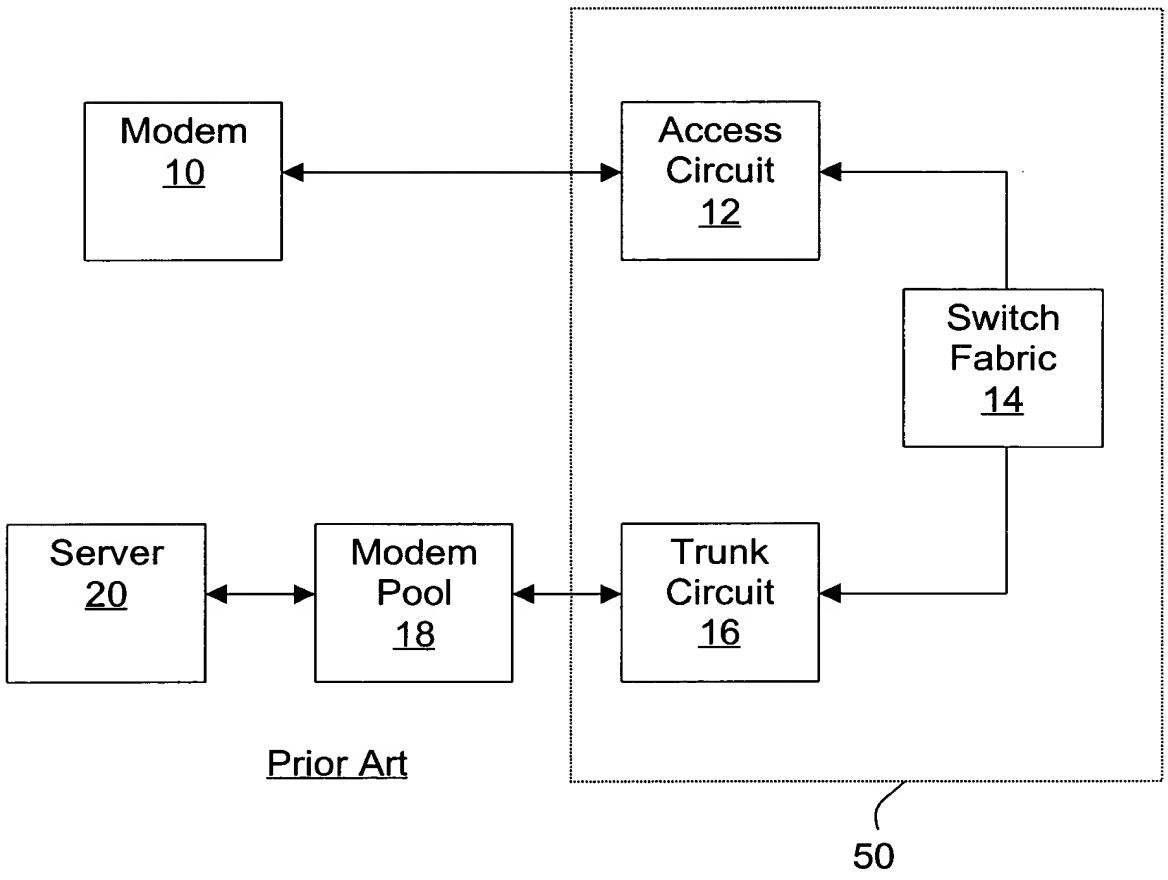
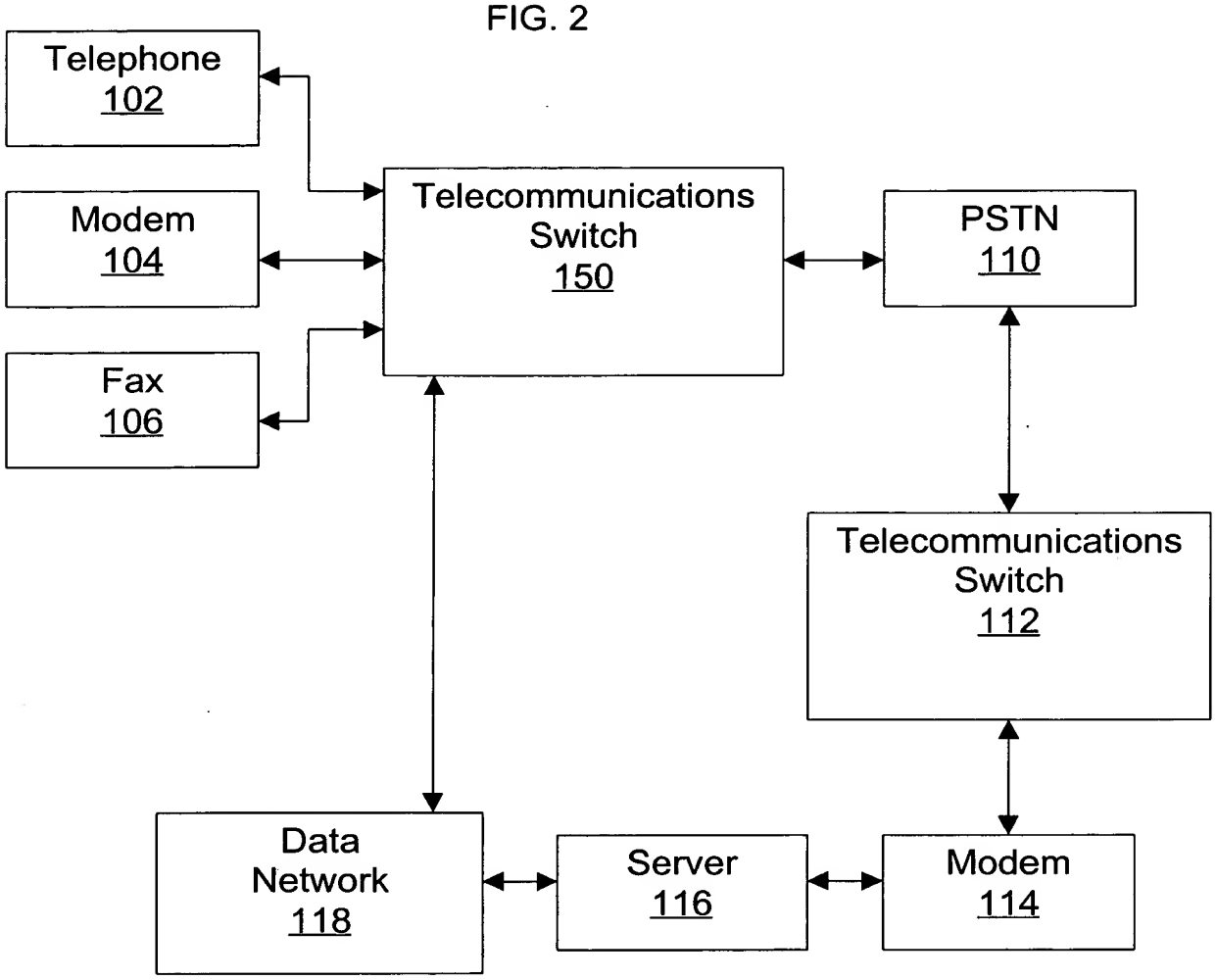
FIG. 1



Prior Art

FIG. 2


Telephone
102
Modem
104
Fax
106
Telecommunications
Switch
150
PSTN
110
Telecommunications
Switch
112
Data
Network
118
Server
116
Modem
114

100

FIG. 3

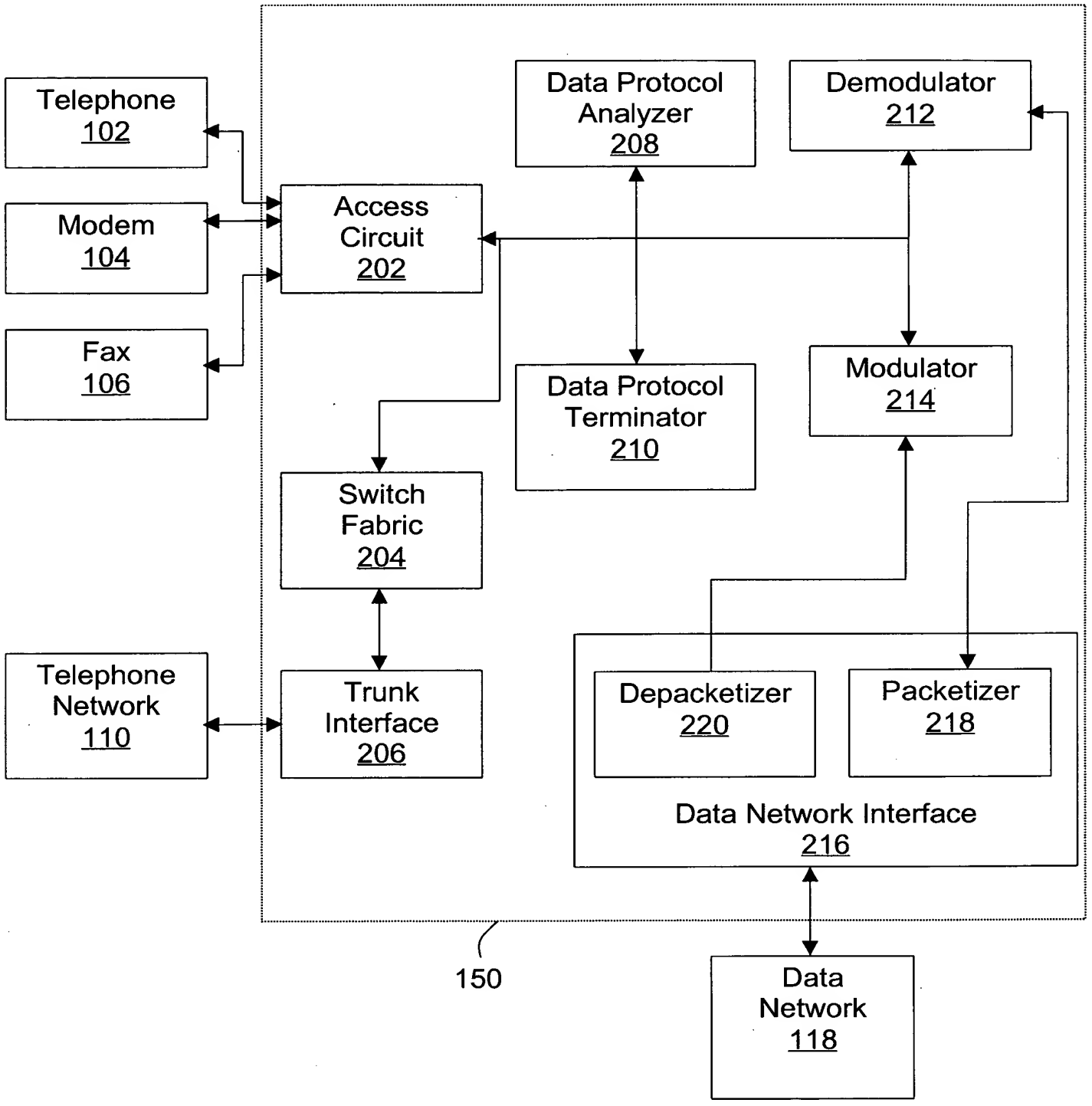

Telephone
102
Modem
104
Fax
106
Access
Circuit
202
Data Protocol
Analyzer
208
Demodulator
212
Data Protocol
Terminator
210
Modulator
214
Switch
Fabric
204
Telephone
Network
110
Trunk
Interface
206
Depacketizer
220
Packetizer
218
Data Network Interface
216
150
Data
Network
118

FIG. 4A

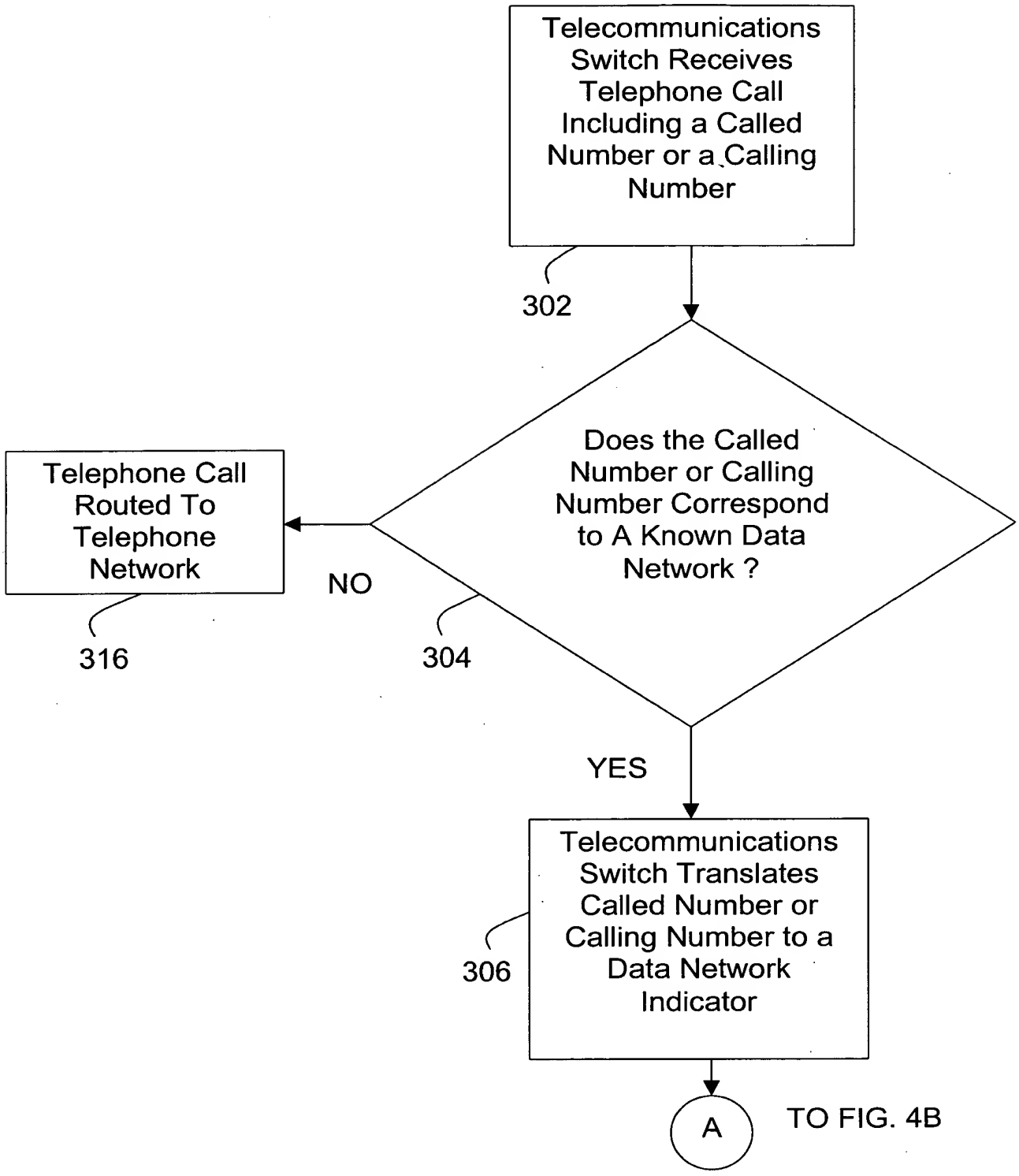

Telecommunications Switch Receives Telephone Call Including a Called Number or a Calling Number
302
Does the Called Number or Calling Number Correspond to A Known Data Network ?
NO
304
Telephone Call Routed To Telephone Network
316
YES
Telecommunications Switch Translates Called Number or Calling Number to a Data Network Indicator
306
A
TO FIG. 4B

FIG. 4B

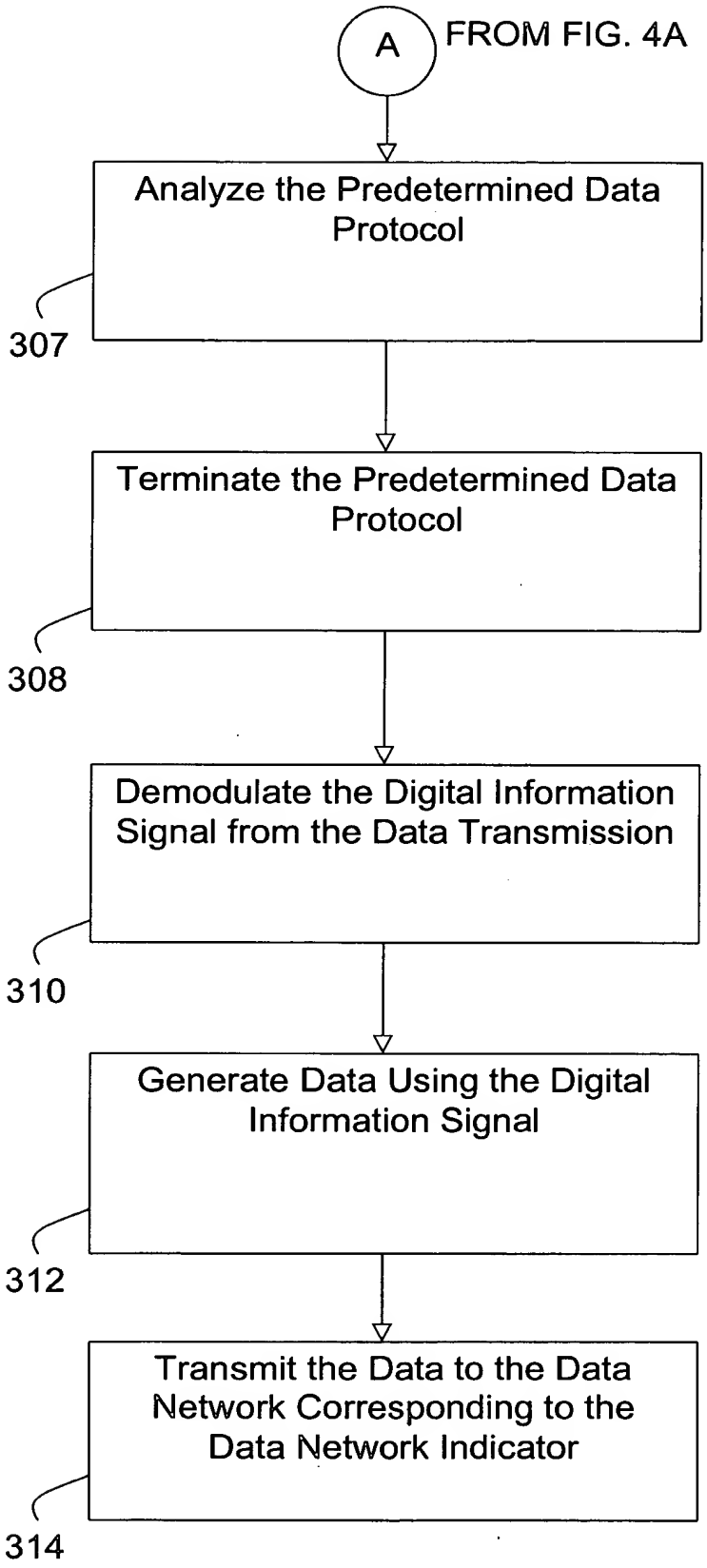
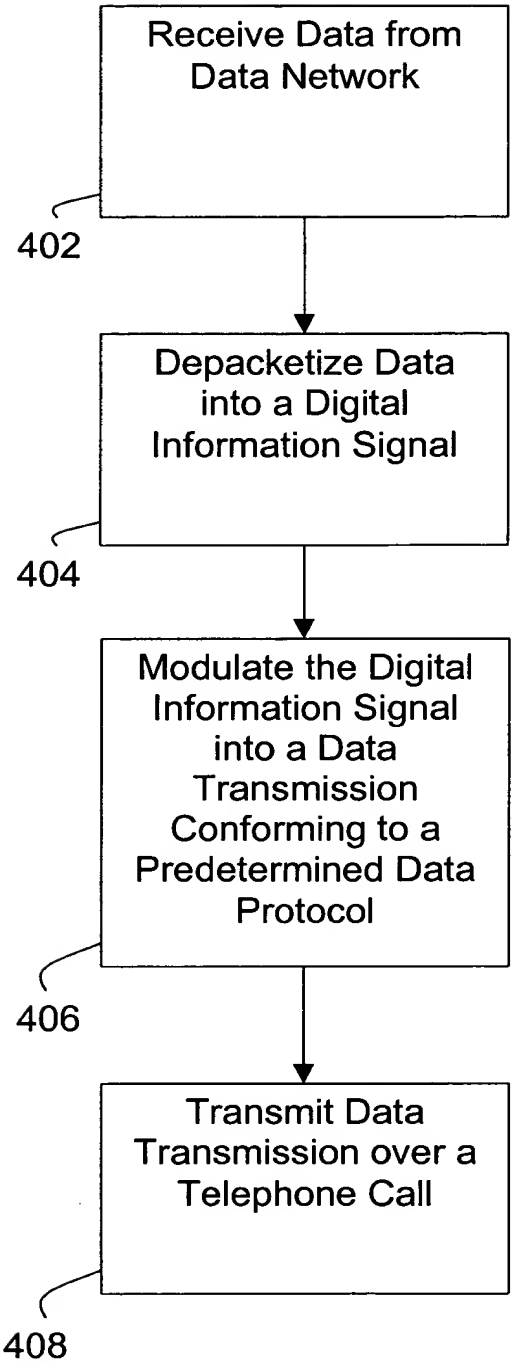

A
FROM FIG. 4A
Analyze the Predetermined Data Protocol
307
Terminate the Predetermined Data Protocol
308
Demodulate the Digital Information Signal from the Data Transmission
310
Generate Data Using the Digital Information Signal
312
Transmit the Data to the Data Network Corresponding to the Data Network Indicator
314

FIG. 5


Receive Data from Data Network
402
Depacketize Data into a Digital Information Signal
404
Modulate the Digital Information Signal into a Data Transmission Conforming to a Predetermined Data Protocol
406
Transmit Data Transmission over a Telephone Call
408